openreach

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Suppliers' Information Note

For The Openreach Network

Protocol Implementation Conformance Statements (PICS) for ISDN 2e and ISDN 30e: Digital Select Services - Connected Line Identification Presentation

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1. Introduction

This document states the capabilities and options of the DSS1 Layer 3 protocol for Connected Line Identification Presentation (COLP) Digital Select Service on the basic and primary rate access interface which has been implemented in the ISDN 2e and ISDN 30e network respectively.

The ETSI protocol specification used as a basis for this PICS proforma is ETS 300 097-1 [1].

The ETSI PICS proforma used as a basis for this PICS is ETS 300 097-2 [2].

Openreach will withdraw BT ISDN 2e and ISDN 30e Digital Select Services by end of January 2027 in line with the closure of the BT UK PSTN.

2. References

1	ETS 300 097-1 (1992)	Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification
2	ETS 300 097-2 (1995)	Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification
3	ETS 300 102-1	Integrated Services Digital Network (ISDN); User-network interface layer 3; Specifications for basic call control

For further information or copies of referenced sources, please see document sources at https://www.openreach.co.uk/orpg/home/helpandsupport/sins/sins.do

3. Protocol Implemenation Conformance Statement (PICS)

Using the relevant standard (see ref. 2), the PICS is given below. The section and table numbering as used in the ETSI standard has been maintained. Only those parts of the standard relevant to the network implementation are given. For guidance on the abbreviations and meaning of the completed PICS tables, see SIN 370, Part A.

Unless stated otherwise, the standard referred to in the **reference** column is the ETS given in reference 1. For glossary of terms used, see the referenced standards [1, 2].

A.4 Identification of the protocol

This PICS proforma applies to the following standard:
ETS 300 097-1 (1992): "Integrated Services Digital Network (ISDN); Connected Line Identification Presentation (COLP) supplementary service; Digital Subscriber Signalling System No. one (DSS1) protocol; Part 1: Protocol specification".

NOTE: ETS 300 097-1 (1992) was initially published as ETS 300 097 (1992).

A.5 Global statement of conformance

The implementation described in this PICS meets all the mandatory requirements of the referenced standard?

[✓] **Yes**

[ ] **No**

NOTE: Answering "No" to this question indicates non-conformance to the protocol specification. Non-supported mandatory capabilities are to be identified in the PICS, with an explanation of why the implementation is non-conforming. Explanations may be entered in the comments field at the bottom of each table or on attached pages.

In the tabulations which follow, all references are to ETS 300 097-1 [1] unless another numbered reference is explicitly indicated.

A.6 Roles

Table A.1: Type of implementation

Item	Major role: Does the implementation...	Conditions for status	Status	Reference	Support
	Type of implementation				
R 1	support the COLP supplementary service (note 1)		O	6, 9.2, 9.3, 9.4	[✓]Yes [ ]No
R 2.1	support user requirements?		O.1	9, 10	[ ]Yes [✓]No
R 2.2	support network requirements?		O.1	9, 10	[✓]Yes [ ]No
R 3	not used (note 2)				
R 4.1	support user requirements at the interface of the served user?		N/A		N/A
R 4.2	support user requirements at the interface of the called user?	R 2.1 NOT R 2.1	M N/A	9.2	[ ]Yes [✓]No [ ]N/A
R 4.3	support network requirements at the interface of the served user?	R 2.2 AND R 1 NOT (R 2.2 AND R 1)	M N/A	9.5	[✓]Yes [ ]No [ ]N/A
R 4.4	support network requirements at the interface of the called user?	R 2.2 NOT R 2.2	M N/A	9.3, 9.4	[✓]Yes [ ]No [ ]N/A
O.1	Support of one and only one of these options is required.				
NOTE 1:	ETS 300 097-1 [1] contains requirements that can be implemented independently of support of the supplementary service.				
NOTE 2:	ETS 300 097-1 [1] provides identical requirements for the T reference point and for the coincident S and T reference point. Therefore, this PICS proforma makes no distinction between the different reference points.				
Comments:					

A.7 User

The tables provided in this clause need only to be completed for user implementations, where item R 2.1 in table A.1 is supported.

A.8 Network

The tables provided in this clause need only to be completed for network implementations, where item R 2.2 in table A.1 is supported.

A.8.1 Major Capabilities

Table A.5: Major capabilities - network

Item	Major capability: Does the implementation support...	Conditions for status	Status	Reference	Support
MC 2	**Destination network**				
MC 2.1	the actions at the destination local exchange if a special arrangement does not apply?		M	9.3	[✓]Yes [ ]No
MC 2.2	the actions at the destination local exchange if a special arrangement applies?		O	9.4	[✓]Yes [ ]No
MC 3	**Originating network**				
MC 3.1	the insertion of the identity of the called user in the Connected number information element?	R 4.3 NOT R 4.3	M N/A	9.5	[✓]Yes [ ]No [ ]N/A
Comments:					

A.8.2 Subsidiary capabilities

Table A.6: Subsidiary capabilities - network

Item	Subsidiary capability: Does the implementation support...	Conditions for status	Status	Reference	Support
SC 2	**Originating network**				
SC 2.1	the presentation of the connected numbers with Type Of Number (TON) field coded "national" or "international" as appropriate?	R 4.3 NOT R 4.3	O.5 N/A	Tables 1 & 2	[✓]Yes [ ]No [ ]N/A
SC 2.2	the presentation of the connected numbers with TON field coded "unknown"?	R 4.3 NOT R 4.3	O.5 N/A	Tables 1 & 2	[✓]Yes [ ]No [ ]N/A
SC 3	**Destination network**				
SC 3.1	the completion of the number as appropriate, and the setting of the value of the screening indicator forwarded to the calling user to "user-provided, verified and passed", if the called user provides partial called number and the number is valid?		M	9.3.1	[✓]Yes [ ]No
SC 4	**Interworking with other networks** **Destination network**				
	no options				
SC 5	**Interworking with other networks** **Originating network**				
SC 5.1	the indication of "number not available due to interworking" when interworking with non-ISDNs that provide no indication of restriction?		O.6	11	[✓]Yes [ ]No
SC 5.2	the indication of "presentation restricted" when interworking with non-ISDNs that provide no indication of restriction?		O.6	11	[ ]Yes [✓]No
SC 5.3	the indication of "presentation allowed" when interworking with non-ISDNs that provide no indication of restriction?		O.6	11	[ ]Yes [✓]No
O.5 O.6	Support of at least one of these options is required. Support of at least one of these options is required.				
Comments:					

A.8.3 Protocol data units

No items requiring response.

A.8.4 Protocol data unit parameters

Table A.7: CONNECT PDU parameters and values received by the network at the side of the called user

Item	CONNECT PDU parameters and values: Does the implementation support...	Conditions for status	Status	Reference	Support
P 2.1	the connected number information element		M	7.1	[✓]Yes [ ]No
P 2.1.1	TON		M	7.1, [3] 4.5.10	[✓]Yes [ ]No
P 2.1.1.1	unknown		M	7.1, [3] 4.5.10	[✓]Yes [ ]No
P 2.1.1.2	international		M	7.1, [3] 4.5.10	[✓]Yes [ ]No
P 2.1.1.3	national		M	7.1, [3] 4.5.10	[✓]Yes [ ]No
P 2.1.1.4	subscriber number		M	7.1, [3] 4.5.10	[✓]Yes [ ]No
P 2.1.2	NPI		M	7.1, [3] 4.5.10	[✓]Yes [ ]No
P 2.1.2.1	unknown		M	7.1, [3] 4.5.10	[✓]Yes [ ]No
P 2.1.2.2	ISDN/Telephony		M	7.1, [3] 4.5.10	[✓]Yes [ ]No
P 2.2	the Connected subaddress information element		M	7.2	[✓]Yes [ ]No
NOTE:	These parameters are additional to those required for support of basic call (ETS 300 102-1 [3]).				
Comments:					

Table A.8: CONNECT PDU parameters and values sent by the network at the side of the served user

Item	CONNECT PDU parameters and values: Does the implementation support...	Conditions for status	Status	Reference	Support
P 3.1	the Connected number information element	R 4.3 NOT R 4.3	M N/A	7.1	[✓]Yes [ ]No [ ]N/A
P 3.1.1	TON	P 3.1 NOT P 3.1	M N/A	7.1, [3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.1.1.1	unknown	SC 2.2 NOT SC 2.2	M N/A	7.1, [3] 4.5.10	[ ]Yes [✓]No [ ]N/A
P 3.1.1.2	international	SC 2.1 NOT SC 2.1	M N/A	7.1, [3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.1.1.3	national	SC 2.1 NOT SC 2.1	M N/A	7.1, [3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.1.2	NPI	P 3.1 NOT P 3.1	M N/A	7.1, [3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.1.2.1	unknown	P 3.1.2 NOT P 3.1.2	O.7 N/A	7.1, [3] 4.5.10	[ ]Yes [✓]No [ ]N/A
P 3.1.2.2	ISDN/Telephony	P 3.1.2 NOT P 3.1.2	O.7 N/A	7.1, [3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.1.3	Presentation Indicator	P 3.1 NOT P 3.1	M N/A	7.1, [3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.1.3.1	presentation allowed	P 3.1.3 NOT P 3.1.3	M N/A	7.1, [3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.1.3.2	presentation restricted	P 3.1.3 NOT P 3.1.3	M N/A	7.1, [3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.1.3.3	number not available due to interworking	P 3.1.3 NOT P 3.1.3	M N/A	7.1, [3] 4.5.10	[✓]Yes [ ]No [ ]N/A
P 3.2	the Connected subaddress information element	R 4.3 NOT R 4.3	M N/A	7.2	[✓]Yes [ ]No [ ]N/A
O.7	Support of at least one of these options is required.				
NOTE:	These parameters are additional to those required for support of basic call (ETS 300 102-1 [3]).				
Comments:					

A.8.5 Timers

No items requiring response.

A.8.6 Call states

No items requiring response.

4. History

Issue 1	Date	First Issue
Issue 1.1	June 2014	Change SINet site references from http://www.sinet.bt.com to http://www.btplc.com/sinet/
Issue 1.2	August 2020	Changes to branding, from BT to Openreach including changes to reflect new Openreach SIN site and Openreach SIN email address.
Issue 1.2	August 2021	Annual Review – no changes required – issue remains unchanged.
Issue 1.2	August 2022	Annual Review – branding and font changes only – issue remains unchanged.
Issue 1.2	August 2023	Annual Review – branding and font changes only – issue remains unchanged.
Issue 1.3	August 2025	Withdrawal notification added to the introduction section.